



Philips Aurea
Flat TV with Perfect Pixel
HD Engine and Ambilight
Spectra

42"

LCD

AUREA



42PFL9900

Seduction by light

Let the beauty of light transform your viewing experience with the Aurea Flat TV. The Ambilight Spectra with active frame is blended in a stunning design. With Perfect Pixel HD Engine and Full HD 1080p LCD display seeing is believing.

Bring magic to your viewing experience

- Ambilight Spectra with Active Frame and sensorial halo

A pure treat for your eyes

- Full HD LCD display, with a 1920x1080p resolution
- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- 100Hz Clear LCD for superb motion sharpness (3ms)
- 4 trillion colors processing for vivid and brilliant images
- HD Natural Motion for ultra smooth motion in Full HD movies

Truly immersive sound

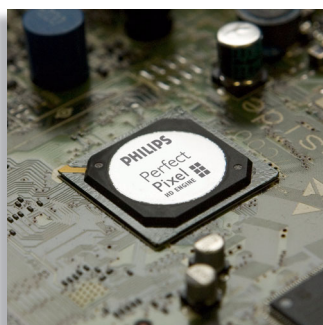
- Powerful sound from unique invisible speakers

Designed for your convenience

- Drive your experience with Aurea Navigator remote control
- Settings assistant for effortless personalized TV settings
- 3 HDMI inputs for full digital HD connection in one cable

Product highlights

Perfect Pixel HD Engine



Perfect Pixel HD Engine offers the unique combination of ultimate sharpness, natural detail, vivid colors and smooth natural motion on all qualities of HD, standard TV signals and multimedia content, for high definition displays. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artifacts and noise in all sources from multimedia to standard TV and also in highly compressed HD content are detected and reduced ensuring that the picture is clean and razor sharp.

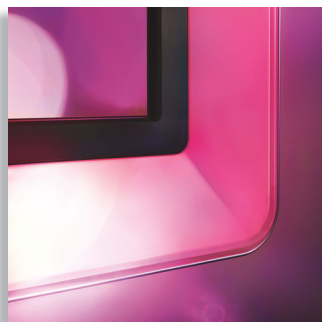
100Hz Clear LCD



100Hz Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a response

time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

Ambilight Spectra



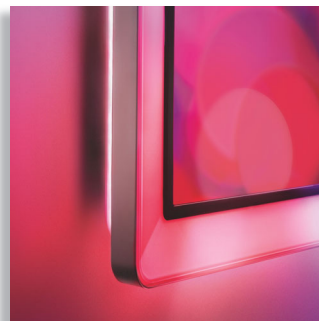
The sensorial halo of Ambilight Spectra adds a magical dimension to the viewing experience. The Active Frame extends the light and atmosphere of the image far outside the screen in a soft kaleidoscope of colors. You feel fully immersed in the images, viewing becomes a more intensive experience than you could ever imagine. The compact LED technology enables a total of 126 power LEDs to be placed around the screen. This creates a multitude of segments that fuse into one soft surround of light in the Active Frame, directly enveloping the screen and flowing seamlessly into a soft halo on the wall.

HD Natural Motion

Philips invented HD Natural Motion to eliminate juddering effects that are visible with movie based picture content. HD Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level. HD Natural Motion removes judder from SD and HD pictures, including

1080p, for a motion performance that surpasses the cinema!

Invisible speakers



An invisible sound system that blends perfectly with the design of the Aurea. Although invisible from the outside and extremely compact inside, there are no compromises to the performance of the sound. The new revolutionary micro speaker array uses 12 speakers per side to radiate the sound through an invisible thin slot at the front of the TV. They give a clear and spacious sound stage complementary to the rich viewing experience. The bass frequencies are generated by 2 powerful subwoofers integrated in the back of the TV.

Aurea Navigator

The sleek and luxurious remote control offers 3 dedicated ambilight keys for effortless control to personalise your settings. The centrepiece is an element highlighted by sophisticated material and design, and a touch operated backlight. This Aurea key controls the amount of Aurea immersion. The 'MODE' button switches the dynamics in 3 levels from relaxed to dynamic. The 'Ambilight' button is there to switch the Ambilight 'on' or 'off', as simple as a lightswitch on the wall. The TV Menu offers access to additional settings



Specifications

Picture/Display

- **Aspect ratio:** Widescreen
- **Brightness:** 550 cd/m²
- **Contrast ratio (typical):** 1200:1
- **Dynamic screen contrast:** 8000:1
- **Response time (typical):** 3 (BEW equiv.) ms
- **Viewing angle:** 176° (H) / 176° (V)
- **Diagonal screen size:** 42 inch / 107 cm
- **Display screen type:** LCD Full HD W-UXGA Act. matrix
- **Panel resolution:** 1920x1080p
- **Color processing:** 4 trillion colors (14bit RGB)
- **Picture enhancement:** Perfect Pixel HD Engine, HD Natural Motion, Dynamic contrast enhancement, 1080p 50/60Hz processing, 1080p 24/25/30Hz processing, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control, Jagged Line Suppression, Progressive Scan, Pulse Killer Chip, Widescreen Plus, 100Hz Clear LCD, Double frame rate
- **Screen enhancement:** Anti-Reflection coated screen

Ambilight

- **Ambilight Features:** Ambilight Spectra, Auto adaptive to video content, Lounge light mode in stand-by
- **Ambilight light system:** LED wide color
- **Dimming Function:** 10 steps with Aurea Navigator

Supported Display Resolution

Computer formats

Resolution	Refresh rate
Via HDMI/DVI input	
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz
1920 x 1080i	60Hz
1920 x 1080p	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz

1080p	24Hz, 25Hz, 30 Hz
1080p	50Hz, 60Hz

Sound

- **Output power (RMS):** 2x12W
- **Sound Enhancement:** Digital Signal Processing, Graphic Equaliser, Dynamic Bass Enhancement
- **Sound System:** Virtual Dolby Digital, BBE

Loudspeakers

- **Built-in speakers:** 26
- **Loudspeaker types:** 2x12 invisible microdrivers, 2 integrated subwoofers

Convenience

- **Child Protection:** Child Lock+Parental Control
- **Clock:** Smart Clock
- **Ease of Installation:** Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, PLL Digital Tuning, Plug & Play
- **Ease of Use:** 4 favorite lists, Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Side Control
- **Remote Control:** Amp, DVD, DVD-R, Sat, HTS (Home Theater System), STB (Set-Top Box), Universal
- **Remote control type:** RC4490
- **Screen Format Adjustments:** unscaled (1080p dot by dot), 4:3, 6 Widescreen Modes, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen
- **Picture in Picture:** Text dual screen
- **Teletext:** 1200 page Hypertext
- **Teletext enhancements:** Habit Watch, Program information Line
- **Firmware upgradeable:** Firmware auto upgrade wizard, Firmware upgradeable via USB
- **Multimedia:** Digital media reader (browser), USB autobreak-in

Multimedia Applications

- **Multimedia connections:** USB
- **Playback Formats:** MP3, Slideshow files (.alb), JPEG Still pictures

Tuner/Reception/Transmission

- **Aerial Input:** 75 ohm coaxial (IEC75)
- **TV system:** PAL I, PAL B/G, SECAM B/G, SECAM D/K

- **Video Playback:** NTSC, SECAM, PAL
- **Tuner bands:** Hyperband, S-Channel, UHF, VHF

Connectivity

- **AV 1:** (I, 2, 3Fh autoranging), Audio L/R in, CVBS in, S-Video, YPbPr
- **AV 2:** Audio L/R in, CVBS
- **AV 3:** (I, 2, 3Fh autoranging), Audio L/R in, YPbPr
- **AV 4:** Audio L/R in, HDMI v1.3
- **AV 5:** HDMI v1.3
- **AV 6:** HDMI v1.3
- **HDMI features:** Cable equalization, Category I and 2 cables, Compressed audio, Multirate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- **Front / Side connections:** Audio L/R in, CVBS in, Headphone out, S-video in, USB
- **Other connections:** Analog audio Left/Right out, S/PDIF out (coaxial)

Power

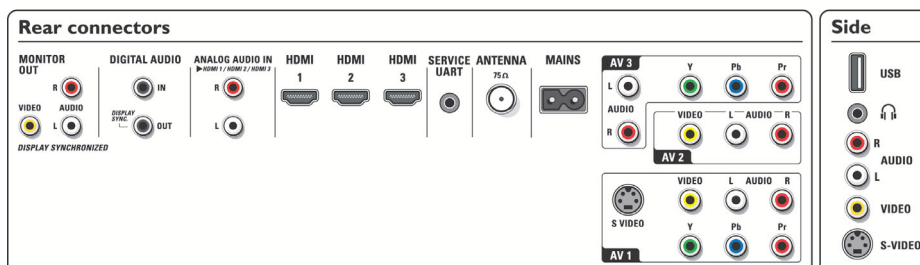
- **Ambient temperature:** 5 °C to 35 °C
- **Mains power:** AC - 220 - 240 V +/- 10%
- **Power consumption:** 231 W
- **Standby power consumption:** 0.8 W

Accessories

- **Included Accessories:** Tabletop swivel stand, Wall mounting bracket, RF antenna cable

Dimensions

- **Color cabinet:** Precision Chrome and translucent Pearl
- **Set dimensions (W x H x D):** 1121 x 715 x 129 mm
- **Set dimensions with stand (H x D):** 810 x 305 mm
- **Product weight:** 39.6 kg
- **Product weight (+stand):** 48.5 kg
- **Box dimensions (W x H x D):** 1354 x 1211 x 339 mm
- **Weight incl. Packaging:** 51 kg
- **VESA wall mount compatible:** 600 x 400 mm



Issue date 2008-07-03

Version: 3.0.6

12 NC: 8670 000 35769
EAN: 87 12581 38509 5

© 2008 Koninklijke Philips Electronics N.V.
All Rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com

